

Discontinued some variations NSF H1

Servo motor compatible, Electric actuator, Motorless specification
Slider type (belt drive)

NSF H1



Electric Actuator Motorless General
Catalog No. CB-055A

ETV-FP1 Series

● Applicable motor capacity: 100W/200W/400W/750W servo motor

Sales of ETV-05 to ETV-10 will be terminated.



Specifications

Item	ETV-05	ETV-06	ETV-10	ETV-14
Applicable motor capacity	100 W servo motor			200 W servo motor
Drive method	Belt width 9 mm	Belt width 12mm	Belt width 15mm	Belt width 22mm
Stroke length *1 mm	100 to 800		100 to 2550	100 to 3050
Lead equivalent mm	40		32	40
Max. workload *2	Horizontal kg	3		10
	Vertical kg	-		25
Max. speed mm/s	2000		1600	2000
Rated thrust *2 N	42		61	100
Repeatability mm	±0.08		±0.04	
Lost motion	0.2 mm or less		0.1 mm or less	
Dynamic allowable load N	551.1	1209.1	2651.4	6566.9
Static allowable moment N·m	MP:20 MY:16 MR:19	MP:80 MY:70 MR:75	MP:110 MY:110 MR:120	MP:552 MY:551 MR:485
Dynamic allowable moment N·m	MP:2.8 MY:2.8 MR:6.8	MP:8.9 MY:8.9 MR:24.8	MP:24.1 MY:24.1 MR:24.8	MP:262.7 MY:262.7 MR:261.0

Item	ETV-17	ETV-22
Applicable motor capacity	400 W servo motor	750 W servo motor
Drive method	Belt width 30mm	Belt width 50mm
Stroke length *1 mm	100 to 3500	
Lead equivalent mm	40	
Max. workload *2	Horizontal kg	85
	Vertical kg	-
Max. speed mm/s	2000	
Rated thrust *2 N	204	367
Repeatability mm	±0.04	
Lost motion	0.1 mm or less	
Dynamic allowable load N	10102.1	14174.2
Static allowable moment N·m	MP:1034 MY:1032 MR:908	MP:2052 MY:2052 MR:1810
Dynamic allowable moment N·m	MP:424.3 MY:424.3 MR:520.3	MP:1098.5 MY:1098.5 MR:999.3

*1 Stroke length is 50 pitch.

*2 Rated thrust and maximum load capacity are guideline values, assuming that the motor mounted will output the rated torque.

*3 The same load capacity as when installed horizontally when wall-mounted.

Discontinued some variations

Sales of ETV-05 to ETV-10 will be terminated.

ETV-FP1 Series

How to order

How to order

ETV - 06 - 40 010 - D M 1 X C B D P - FP1

Model No.

A Body size

B Lead equivalent

C Stroke

D Motor mounting direction

E Mounted motor specification

F Motor capacity

G Driving belt

H Origin sensor

I Limit sensor

J Grease nipple

K Positioning pin hole

[Example of model No.]

ETV-06-40010-DM1XCBDP-FP1

A Body size: body width 65mm

B Lead equivalent: 40mm

C Stroke length: 100 mm

D Motor mounting direction: bottom mounting

E Mounted motor specification: Mitsubishi Electric Corporation

F Motor capacity: 100 W

G Driving belt: Standard (rubber)

H Origin sensor: Outside motor side

I Limit sensor: Outside

J Grease nipple: None (Body mounting direction: Bottom side)

K Positioning pin hole: Yes

*1 "32 mm" is compatible only with ETV-10.

*2 "U", "D" indicates ETV-05/06 only.

For other sizes, "R", "S", "T", "L", "V", "W" only.

*3 ETV-05/For 06Belt "L" is not available.

*4 Origin sensor and limit sensor are a set.

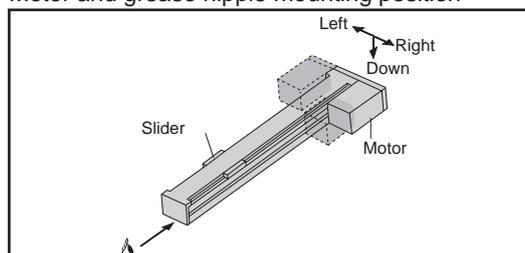
As it is both-or-nothing, select "None" for both.

The sensor dog is assembled at shipment regardless of the presence of the sensor.

E Mounted motor specification

Manufacturer	100W	200W	400W	750W
Mitsubishi Electric Corporation	M	M	M	M
Delta Electronics Co., Ltd.	M	M	M	M
Sanyo Denki Co., Ltd.	M	M	M	-
YASKAWA Electric Corporation	Y	Y	Y	Y
Keyence Corporation	Y	Y	Y	Y
Panasonic Corporation	P	P	P	P
OMRON Corporation	M	P	P	P
Fuji Electric Co., Ltd.	M	M	M	M
FANUC CORPORATION	F	F	F	F
Bosch Rexroth Corporation	P	P	P	P
Rockwell Automation, Inc.	M	M	M	M
SIEMENS AG	M	M	M	M

Motor and grease nipple mounting position



Refer to the ETV Series in "Electric Actuator Motorless (CB-055A)" for the motor list, dimensions and model selection recommended for mounting.

Code	Description
A Body size	
05	Body width 50mm
06	Body width 65mm
10	Body width 102mm
14	Body width 135mm
17	Body width 170mm
22	Body width 220mm
B Lead equivalent *1	
32	32 mm
40	40 mm
C Stroke	
010	100 mm
to	(In 50 mm increments)
350	3500 mm
D Motor mounting direction *2	
U	Top mounting
D	Bottom mounting
R	Right mounting
S	Right top mounting
T	Right bottom mounting
L	Left mounting
V	Left top mounting
W	Left bottom mounting
E Mounted motor specification	
M	
Y	Select the mounted motor
P	specification from the table below.
F	
F Motor capacity	
1	100 W (body size: 05, 06, 10)
2	200 W (body size: 14)
4	400 W (body size: 17)
8	750 W (body size: 22)
G Driving belt *3	
X	Standard (rubber)
L	Low dust generation (urethane)
H Origin sensor (1 pc) *4	
N	None
C	Outside motor side (Included at shipment)
D	Outside motor opposite side (Included at shipment)
I Limit sensor (2 pcs) *4	
N	None
B	Outside (Included at shipment)
J Grease nipple	
N	None (Body mounting direction: Standard)
D	None (Body mounting direction: Bottom side)
R	Right
L	Counterclockwise
K Positioning pin hole	
N	None
P	Yes

Electric actuator
Pneumatic cylinders
Assistive device
Pneumatic valves
F.R./Auxiliary Components
Electronic Component
Vacuum components
Main line components
Fluid control valves
Main line components
Anti-bacterial/bacteria-removing filter
Vacuum components
Fluid control valves

FP1

FP2